RAW SEQUENCE LISTING

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Application Serial Number: 15

Source:

Date Processed by STIC:

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IFW16

RAW SEQUENCE LISTING DATE: 07/06/2005
PATENT APPLICATION: US/10/628,525A TIME: 12:29:49

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Output Set: N:\CRF4\07062005\J628525A.raw

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        GAUN, HANPLING
 6 <120>, TITLE OF INVENTION: STARCH ENCAPSULATION
 8 <130> FILE REFERENCE: 15056-04
10 <140> CURRENT APPLICATION NUMBER: 10/628,525A
11 <141> CURRENT FILING DATE: 2003-07-28
13 <150> PRIOR APPLICATION NUMBER: 09/625,406
14 <151> PRIOR FILING DATE: 2000-07-25
16 <150> PRIOR APPLICATION NUMBER: 08/941,445
17 <151> PRIOR FILING DATE: 1997-09-30
19 <150> PRIOR APPLICATION NUMBER: 60/026,855
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TIME: 12:29:49

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Output Set: N:\CRF4\07062005\J628525A.raw

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PATENT APPLICATION: US/10/628,525A TIME: 12:29:49

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	acceptcatat gaaccettet etgetetgat geetgeaact geaaatgeat geag atc	1862
198	Ile	
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202	65 70 75	
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	Arg Gly Val Asp Arg Val Phe Val Asp His Pro Leu Phe Leu Glu Arg	
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	cta	caa	ttc	agc	ctq	cta	tqc	caq	qtca	aggat	qq (cttq	qtact	a ca	actt	cata	2174
	_			_	_		_	_	_			•					
220	Leu Arg Phe Ser Leu Leu Cys Gln 120 125																
														2231			
223																	
	ctt	gaa	act	cca	agg	atc	cta	aqc	ctc	aac	aac	aac	cca	tac	ttc	tcc	2279
									Leu								
227			130		5			135					140	-			
															2328		
	Gly			55-	J	,	, ,		5			_	٠.				
231	U-1	145	-1-														
	gaga		itc a	acago	gaag	a a	ccat	caga	a cac	racto	atca	tttt	acad	eta a	actac	tgctg	2388
																ac gac	
236	005															n Asp	
237							٠.	-,		19				1	15		
	taa	cac	acc	aac	cct	ctc	tca	tac	tac			agc	aac	tac			2489
									Tyr								
241	115			160				U, D	165		-7-			170			
	cac	aac	atc		agg	gac	aca	aad		reett	ct o	rtgaa	acta		acad	cgtt	2543
							Ala		900	,		Jugai	,,,,,,			,0900	
245	1115	OLY	175	- 7 -	**** 9	2101	1114	180									
	ttcc	7++ c+		at act	cat:	at at	- acct		t do	rtagt	aat	aata	rc++c	-+ <i>c</i> +	.aaaa	aacta	2603
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250	acti	jaaa	Ly (accy	acg	יט טי	gueus.	jucci		ccu	Jyca	Ccu	Juag		Ala		
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	cca		cta	aac	ctc	cca		aga	ttc	aaq	t.ca		ttc	gat.	ttc	atc	2755
									Phe								
	200	OLU	LCu			205	0			-7-	210	552				215	
		aaa	toto	3+++t	-cc 1		acat	a to	gaaca	attea		aat.go	ataa	ccca	acaac		2811
	Asp		000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-505	-5-cu	99 03	,				,			5	
	_	_	rct d	actac	atte	at ta	atcto	racct	gat	taca	atta	tta	cage	tac	aaa	aaq	2867
264	000	,050		,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	, j				5-		Glu		
265														-1-		220	
	כככ	ata	gaa	aac	caa	aaα	atic	aac	tgg	atσ	aaσ	acc	aaa	atc	ctc		2915
									Trp								
269	110	vul													235		
	acc	gac							ccc							atic	2963
									Pro								
フソフ	Δ I A						• • •	-		- 7 -	-1-						
	AIa	Asp	Arg						245					250			
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273 275 276 277 279	tcc Ser	ggc Gly atc	atc Ile 255	240 gcc Ala ggc	agg Arg	Gly gtc	Cys	Glu 260 ggc	ctc Leu	Asp gac	Asn gtc	Ile agc	Met 265 gag	cgc Arg tgg	Leu gac	Thr	

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317		_	_															3373
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320 Asn Ala Ala Leu Ala His His Ile Met Ala Gly Ala Asp Val Leu Ala 321 390 395 400 323 gtc acc agc cgc ttc gag ccc tgc ggc ctc atc cag ctg cag ggg atg 324 Val Thr Ser Arg Phe Glu Pro Cys Gly Leu Ile Gln Leu Gln Gly Met 325 405 410 415 327 cga tac gga acg gtacgagaga aaaaaaaaat cctgaatcct gacgagaggg 3721 328 Arg Tyr Gly Thr 329 420 331 acagagacag attatgaatg cttcatcgat ttgaattgat tgatcgatgt ctcccgctgc 3781 333 gactcttgca g ccc tgc gcc tgc gcg tcc acc ggt gga ctc gtc gac acc 334 Pro Cys Ala Cys Ala Ser Thr Gly Gly Leu Val Asp Thr 335 425 430 435 337 atc atc gaa ggc aag acc ggg ttc cac atg ggc cgc ctc agc gtc gac 3879 338 Ile Ile Glu Gly Lys Thr Gly Phe His Met Gly Arg Leu Ser Val Asp 339 440 445 450 341 gtaagcctag ctctgccatg ttctttcttc tttctttctg tatgtatgta tgaatcagca 3939 343 ccgccgttct tgtttcgtcg tcgtcctctc ttcccag tgt aac gtc gtg gag ccg 3994 344 Cys Asn Val Val Glu Pro 345 347 gcg gac gtc aag aag gtg gcc acc aca ttg cag cgc gcc atc aag gtg 340 455 347 gcg gac gtc aag aag gtg gcc acc aca ttg cag cgc gcc atc aag gtg 340 4042 348 Ala Asp Val Lys Lys Val Ala Thr Thr Leu Gln Arg Ala Ile Lys Val	_		~~~	~~~		~~~			a t a		~~~	~~~	~~~	~~~		ata	a aa	2621
321																		3621
323 gtc acc agc cgc ttc gag ccc tgc ggc ctc atc cag ctg cag ggg atg 324 Val Thr Ser Arg Phe Glu Pro Cys Gly Leu Ile Gln Leu Gln Gly Met 325 405 410 415 327 cga tac gga acg gtacgagaga aaaaaaaaaat cctgaatcct gacgagaggg 3721 328 Arg Tyr Gly Thr 329 420 331 acagagacag attatgaatg cttcatcgat ttgaattgat tgatcgatgt ctcccgctgc 3781 333 gactcttgca g ccc tgc gcc tgc gcg tcc acc ggt gga ctc gtc gac acc 3831 334 Pro Cys Ala Cys Ala Ser Thr Gly Gly Leu Val Asp Thr 335 425 430 435 337 atc atc gaa ggc aag acc ggg ttc cac atg ggc cgc ctc agc gcc 3879 338 Ile Ile Glu Gly Lys Thr Gly Phe His Met Gly Arg Leu Ser Val Asp 339 440 445 450 341 gtaagcctag ctctgccatg ttctttcttc tttctttctg tatgtatgta tgaatcagca 3939 343 ccgccgttct tgtttcgtcg tcgtcctct ttcccag tgt aac gtc gtg gag ccg 3994 344 Cys Asn Val Val Glu Pro 345 347 gcg gac gtc aag aag gtg gcc acc aca ttg cag cgc gcc atc aag gtg 4042 348 Ala Asp Val Lys Lys Val Ala Thr Thr Leu Gln Arg Ala Ile Lys Val		ASII .	Ата		neu	ніа	UIS	птэ		Mec	ALA	GIY	AIG	_	vai	пец	AIG	
Val Thr Ser Arg Phe Glu Pro Cys Gly Leu Ile Gln Leu Gln Gly Met 325		ata	200		999	++-	~~~	000		~~~	ata	ata	a24		a=a	aaa	ata:	3669
325		-		_	_													3009
327 cga tac gga acg gtacgagaga aaaaaaaaat cctgaatcct gacgagaggg 3721 328 Arg Tyr Gly Thr 329 420 331 acagagacag attatgaatg cttcatcgat ttgaattgat tgatcgatgt ctcccgctgc 3781 333 gactcttgca g ccc tgc gcc tgc gcg tcc acc ggt gga ctc gtc gac acc 3831 334 Pro Cys Ala Cys Ala Ser Thr Gly Gly Leu Val Asp Thr 335 425 430 435 337 atc atc gaa ggc aag acc ggg ttc cac atg ggc cgc ctc agc gtc gac 3879 338 Ile Ile Glu Gly Lys Thr Gly Phe His Met Gly Arg Leu Ser Val Asp 339 440 445 450 341 gtaagcctag ctctgccatg ttctttcttc tttcttctg tatgtatgta tgaatcagca 3939 343 ccgccgttct tgtttcgtcg tcgtcctctc ttcccag tgt aac gtc gtg gag ccg 3994 344 Cys Asn Val Val Glu Pro 345 Cys Asn Val Val Glu Pro 345 450 347 gcg gac gtc aag aag gtg gcc acc aca ttg cag cgc gcc atc aag gtg 4042 348 Ala Asp Val Lys Lys Val Ala Thr Thr Leu Gln Arg Ala Ile Lys Val				ser	Arg	Pile	GIU		Cys	GIÀ	пеп	116		пеп	GIII	GIY	Mec	
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			-		-	-							_			-		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/06/2005 PATENT APPLICATION: US/10/628,525A TIME: 12:29:50

Input Set : A:\1505604.app

Output Set: N:\CRF4\07062005\J628525A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:37; Xaa Pos. 17
Seq#:39; Xaa Pos. 2

VERIFICATION SUMMARY

DATE: 07/06/2005 TIME: 12:29:50

PATENT APPLICATION: US/10/628,525A

Input Set : A:\1505604.app

Output Set: N:\CRF4\07062005\J628525A.raw

L:3057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16 L:3093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0